



1754

#13143
6/23/03

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Isao MOCHIDA et al.
Title: EXHAUST GAS TREATING SYSTEMS
Appl. No.: 09/642,009
Filing Date: 08/21/2000
Examiner: Stuart L. Hendrickson
Art Unit: 1754

RECEIVED
JUN 17 2003
TC 1700

INFORMATION DISCLOSURE STATEMENT
UNDER 37 CFR §1.56

Mail Stop PATENT APPLICATION
Commissioner for Patents
PO Box 1450
Alexandria, Virginia 22313-1450

Sir:

Submitted herewith on Form PTO/SB/08 is a listing of documents known to Applicants in order to comply with Applicants' duty of disclosure pursuant to 37 CFR §1.56. A copy of each listed document is being submitted to comply with the provisions of 37 CFR §1.97 and §1.98.

The submission of any document herewith, which is not a statutory bar, is not intended as an admission that such document constitutes prior art against the claims of the present application or that such document is considered material to patentability as defined in 37 CFR §1.56(b). Applicants do not waive any rights to take any action which would be appropriate to antedate or otherwise remove as a competent reference any document which is determined to be a *prima facie* art reference against the claims of the present application.

TIMING OF THE DISCLOSURE

The listed documents are being submitted in compliance with 37 CFR §1.97(b), before the mailing date of the first Office Action on the merits.

RELEVANCE OF EACH DOCUMENT

Any document listed on the attached PTO/SB/08 was cited as being relevant during the prosecution of the corresponding Japanese Application No. 9-504310.

Document A1 is the U.S. counterpart of Document A5.

Partial translations or English language abstracts have been provided for the foreign language documents. The absence of a complete translation does not relieve the PTO from its duty to consider the submitted foreign language documents. (37 CFR §1.98 and MPEP §609).

Applicants respectfully request that any listed document be considered by the Examiner and be made of record in the present application and that an initialed copy of Form PTO/SB/08 be returned in accordance with MPEP §609.

The Commissioner is hereby authorized to charge any additional fees which may be required regarding this application under 37 CFR §§ 1.16-1.17, or credit any overpayment, to Deposit Account No. 19-0741. Should no proper payment be enclosed herewith, as by a check being in the wrong amount, unsigned, post-dated, otherwise improper or informal or even entirely missing, the Commissioner is authorized to charge the unpaid amount to Deposit Account No. 19-0741.

Respectfully submitted,

Date June 11, 2003

By Stephen B. Maebius

FOLEY & LARDNER
Customer Number: 22428



22428

PATENT TRADEMARK OFFICE

Telephone: (202) 672-5569
Facsimile: (202) 672-5399

Stephen B. Maebius
Attorney for Applicant
Registration No. 35,264

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control

Number

Substitute for form 1449B/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

Date Submitted: May 28, 2003

(use as many sheets as necessary)

Sheet 1 of 2

Complete if Known

Application Number	09/642,009
Filing Date	08/21/2000
First Name and Inventor	Isai MOCHIDA
Group Art Unit	1754
Examiner Name	Stuart L. Hendrickson
Attorney Docket Number	080542-0151

RECEIVED
JUN 17 2003
TC 1700

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
	A1	4,670,235		Glintner Lailach et al.	06/02/1987	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Documents	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Office ³	Number ⁴	Kind Code ⁵ (if known)				
	A2	JP	53-120674	✓	Kernforschungsanlage Juelich GMBH	10/21/1978		PARTIAL
	A3	JP	5-154353	✓	Mitsubishi Gas Chemical Company, Inc..	06/22/1993		PARTIAL
	A4	JP	6-079176	✓	Osaka Gas Co., Ltd.	03/22/1994		PARTIAL
	A5	JP	61-86929	✓	Bayer aktiengesellschaft	02/05/1986		
	A6	JP	5-76753	✓	Kobe Steel, Ltd. and Owada Carbon Kogyo Co. Ltd.	03/30/1993		PARTIAL
	A7	JP	3272366	✓	Mitsubishi Jukogyo Kabushiki Kaisha	01/25/2002		
	A8	WO	97/01388	✓	Mitsubishi Jukogyo Kabushiki Kaisha	01/16/1997		ABSTRACT
	A9	JP	7-241441	✓	Chiyoda Corporation	09/19/1995		PARTIAL
	A10	JP	63-20023	✓	Barutaa & Co AG	01/27/1988		PARTIAL
	A11	JP	7-136456	✓	Babcock Hitachi KK	05/30/1995		PARTIAL
	A12	JP	7-100329	✓	Barutaa & Co AG	04/18/1995		PARTIAL

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ⁶
✓	A13	MOCHIDA et al., "Marked Increase of SO ₂ Removal Ability of Poly(acrylonitrile)-Based Active Carbon Fiber by Heat Treatment at Elevated Temperatures," <u>Langmuir</u> , 1992, Vol. 8, pgs. 2290-2294.	
✓	A14	65 th CATSJ Meeting Abstracts: No. B5, "Catalyst", Vol. 32, No. 2, 1990, pgs. 105-108.	PARTIAL
✓	A15	Chemistry Letters, May 1995, No. 5, pgs. 385-386, The Chemical Society of Japan.	

Examiner
SignatureDate
Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, PO Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, PO Box 1450, Alexandria, Virginia 22313-1450.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control



Substitute for form 1449B/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

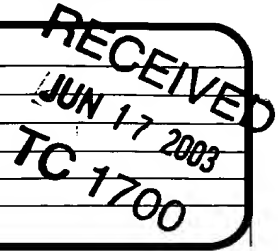
Date Submitted: May 28, 2003

(use as many sheets as necessary)

Sheet 2 of 2

Complete if Known

Application Number	09/642,009
Filing Date	08/21/2000
First Name of Inventor	Isai MOCHIDA
Group Art Unit	1754
Examiner Name	Stuart L. Hendrickson
Attorney Docket Number	080542-0151

**NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ⁶
✓	A16	Abstracts of Papers, Part 1, 207 th ACS National Meeting, American Chemical Society, San Diego, CA, March 13-17, 1994.	
✓	A17	"Environmental Creation," April 1976, pgs. 135-143	PARTIAL

Examiner
SignatureDate
Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, PO Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, PO Box 1450, Alexandria, Virginia 22313-1450.